

Message Text

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PAGE 01 STATE 042419
ORIGIN ACDA-12

INFO OCT-01 EUR-12 ISO-00 EA-10 CIAE-00 INR-10 IO-13
L-03 NSAE-00 NSC-05 EB-08 NRC-05 OES-07 SOE-02
DODE-00 DOE-11 SS-15 SP-02 CEQ-01 /117 R

DRAFTED BY ACDA/NP/NE:F.HOUCK/OES/NET/EST:V.ADLER:BJE
APPROVED BY OES/NET/EST:J.BORIGHT
EA/J:D.BROWN
T/D:L.SCHEINMAN
ACDA/NP:C.VANDOREN
DOE/ISS:H.LYON
DOE/IA:H.BENGELSDORF
NRC/:J.POWERS

-----069905 171518Z /47

P 171449Z PEB 78
FM SECSTATE WASHDC
TO AMEMBASSY VIENNA PRIORITY

C O N F I D E N T I A L STATE 042419

USIAEA

E.O. 11652: GDS

TAGS: PARM, TECH, JA, IAEA

SUBJECT: TOKAI TESTING OF ADVANCED SAFEGUARDS
INSTRUMENTATION:

REF: A) TOKYO 2176 B) STATE 4667 C) 77 TOKYO 14022

1. DEPARTMENT WISHES TO REASSURE NAKAMURA THAT, AS
STATED PARA 2 REFTEL A, US VIEWS EARLY WRITTEN COMMENTS
ON US PROPOSAL AS UNOFFICIAL AND WELCOME IN INTEREST OF
FACILITATING FACE-TO-FACE DISCUSSIONS WEEK OF FEBRUARY 27.

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2. AS STATED PARA 3 REFTEL A, US TEAM MEMBERS ON ARRIVAL
JAPAN WILL BE PREPARED TO SIGN AGREEMENT TO PROTECT
PROPRIETARY INFORMATION. EMBASSY IS REQUESTED TO PROVIDE
DEPARTMENT WITH TEXT OF AGREEMENT TO PROTECT PROPRIETARY
INFORMATION BEFORE DEPARTURE OF TEAM FROM U.S.

3. US TEAM AGREES TO BILATERAL SCHEDULE FOR VISIT PROVIDED BY KURIHARA (PARA 5 REFTEL A); HOWEVER, WE PROPOSE COMMENCING FEBRUARY 27 BILATERALS IN AFTERNOON WITH MORNING FREE FOR PRIVATE EMBASSY/US TEAM DISCUSSION AND REVIEW OF US POSITIONS. U.S. TEAM ALSO RECOMMENDS USE OF WEEK-END (MARCH 4 AND 5) FOR U.S. DOCUMENTATION OF THE PRIOR WEEK'S DISCUSSIONS; SUMMARY JOINT MEETING WITH GOJ

MONDAY MARCH 6 AND TUESDAY MORNING MARCH 7 IF NEEDED. A FINAL CONCLUDING MEETING OF US TEAM IS REQUESTED AT US EMBASSY FOLLOWING THIS LAST JOINT SESSION WITH GOJ (POTENTIALLY AS LATE AS TUESDAY AFTERNOON), WITH DEPARTURES OF US TEAM MEMBERS AS SHOWN PARA 16 BELOW.

4. REFTEL B TRANSMITTED US PROPOSALS FOR PARTICIPATION IN THE TESTING OF ADVANCED SAFEGUARDS INSTRUMENTATION AT THE TOKAI REPROCESSING FACILITY. PARA 2 OF REFTEL B REFERS TO DISCUSSIONS OF THESE PROPOSALS WITH THE JAPANESE IN JAPAN FOR THE WEEK OF FEBRUARY 13, NOW POSTPONED AND CONFIRMED BY REFTEL A FOR WEEK OF FEBRUARY 27. THE FOLLOWING PARAGRAPHS PROVIDE GUIDANCE IN ADDITION TO THAT IN REFTEL B FOR THESE DISCUSSIONS.

5. IN JUNE 1977 (OR POSSIBLY EARLIER) THE GOJ PROPOSED TO THE IAEA FIVE SAFEGUARDS RESEARCH PROJECTS AT TOKAI INVOLVING SURVEILLANCE CAMERAS IN THE SPENT FUEL AREA; GAMMA MEASUREMENTS ON SPENT FUEL ASSEMBLIES; THE HULL

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MONITOR; LOAD CELLS ON CERTAIN VESSELS; AND A STUDY (NO EQUIPMENT) OF DYMAC. THESE PROJECTS HAVE BEEN AGREED TO BY THE IAEA AND PARAGRAPHS 4A-4D AND 4F OF REFTEL B CORRESPOND TO THESE FIVE PROJECTS. IN PARAGRAPH III.B OF THE 12 SEPTEMBER JOINT COMMUNIQUE THE GOJ AGREED TO IMPROVE SAFEGUARDS AT TOKAI BY COOPERATING WITH THE IAEA IN THE TESTING OF ADVANCED SAFEGUARDS INSTRUMENTATION AND IN THE USE OF SUCH INSTRUMENTATION DURING THE INITIAL TWO-YEAR PERIOD. WHILE THE ABOVE MENTIONED IAEA/JAPAN PROJECTS INCLUDE INSTRUMENTATION USEFUL TO IAEA SAFEGUARDS AT TOKAI, THERE ARE A NUMBER OF IMPORTANT ASPECTS OF SUCH SAFEGUARDS WHICH NEED ADVANCED INSTRUMENTATION AND WHICH ARE NOT COVERED BY FIVE PROJECTS MENTIONED ABOVE.

6. THE US PROPOSED PROGRAM IN PARA 4 OF REFTEL B COVERS THESE ADDITIONAL ASPECTS, AS WELL AS THE FIVE EXISTING IAEA/JAPAN PROJECTS AND US PARTICIPANTS SHOULD PRESS THE JAPANESE TO ACCEPT THIS PROGRAM. IN PARTICULAR THE PROPOSALS IN PARAGRAPHS 4E, 4G, 4I, 4J AND 4K ARE ESSENTIAL TO THE DEVELOPMENT OF SAFEGUARDS TECHNIQUES AT TOKAI. IN DISCUSSIONS WITH THE JAPANESE IN TOKYO ON 12 SEPTEMBER,

REPORTED REFTEL C, KURIHARA INDICATED THAT THEY DO NOT WISH TO EXPAND THE SAFEGUARDS TESTING AT TOKAI BEYOND THAT ALREADY FUNDED IN THE EXISTING IAEA/JAPAN PROJECTS. US PARTICIPANTS, THEREFORE, CAN EXPECT RESISTANCE TO THE U.S. PROPOSALS AND KURIHARA IS LIKELY TO NEED HIGHER LEVEL APPROVAL BEFORE HE CAN AGREE TO THE US PROPOSALS.

7. THE JAPANESE MAY POINT OUT THAT AT THE TIME OF THE 12 SEPTEMBER DISCUSSIONS THE US AND JAPANESE TEAM LEADERS

HAD AGREED THAT US PARTICIPATION WOULD BE IN THE FRAME OF THE EXISTING IAEA/JAPAN PROJECTS. THE US PROPOSALS, PARAGRAPHS 4A-4F, ARE IN THIS FRAME. IN THE COURSE OF ASSESSING THE IAEA/JAPANESE PROJECTS SUBSEQUENT TO THE SEPTEMBER DISCUSSIONS, HOWEVER, WE HAVE CONCLUDED THAT

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MORE IS NEEDED. HENCE, THE ADDITIONAL US PROPOSALS.

8. THE US PARTICIPANTS ARE AUTHORIZED TO COMMIT THE US TO CARRYING OUT THOSE ACTIVITIES SPECIFIED IN PARA 4 OF REFTEL B AND TO BEGINNING THIS WORK IMMEDIATELY. THE NECESSARY US FUNDS ARE COVERED BY THE FY-1978 AID APPROPRIATION ALREADY PASSED BY CONGRESS. IN GENERAL TERMS THE US WILL BEAR THE COSTS OF ALL US PERSONNEL PARTICIPATING IN THE TESTING PROGRAM, INCLUDING THEIR TRAVEL. THE US WILL PAY ALSO FOR THOSE ITEMS OF EQUIPMENT, SUCH AS THE K-EDGE DENSITOMETER, WHICH ARE NOT COMMERCIALY AVAILABLE AND ARE TO BE MADE BY US NATIONAL LABORATORIES. IN ADDITION THE US, THROUGH ISPO, WILL ASSIST THE IAEA RELATIVE TO EFFECTIVE PARTICIPATION OF THE IAEA IN THIS PROGRAM.

9. WE WOULD EXPECT THE JAPANESE TO BEAR THE COSTS FOR JAPANESE PERSONNEL PARTICIPATING IN THIS PROGRAM. WE BELIEVE THAT THE JAPANESE SHOULD PURCHASE (OR REIMBURSE THE US FOR) ALL COMMERCIALY AVAILABLE EQUIPMENT AND SHOULD BEAR THE COSTS OF TRANSPORTATION OF ALL EQUIPMENT AND OF THE INSTALLATION AT TOKAI OF ALL EQUIPMENT. THE US PARTICIPANTS SHOULD PRESS THE JAPANESE TO ACCEPT THESE COST RESPONSIBILITIES AS BEING IN ACCORD WITH THE 12 SEPTEMBER JOINT COMMUNIQUE.

10. AS A TACTICAL APPROACH THE US PARTICIPANTS SHOULD SEEK TO GET AGREEMENT ON THE SUBSTANCE OF THE US PROPOSALS BEFORE DISCUSSING COSTS. AS INDICATED IN PARAGRAPH 6 ABOVE, KURIHARA IS LIKELY TO NEED HIGHER LEVEL APPROVAL BEFORE HE CAN ACCEPT THESE COSTS. IF THE JAPANESE ABSOLUTELY REFUSE TO COVER THE COSTS OF THE COMMERCIALY AVAILABLE EQUIPMENT OR THE TRANSPORTATION COSTS, THE US

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PARTICIPANTS ARE AUTHORIZED TO COMMIT THE US TO COVERING THESE COSTS. US PARTICIPANTS WILL HAVE AVAILABLE TO THEM FROM DOE THE LATEST COST ESTIMATES FOR EQUIPMENT, TRANSPORTATION, AND INSTALLATION.

11. IN THE 12 SEPTEMBER DISCUSSIONS THE US ALSO PROPOSED A PROJECT FOR COMPUTER MODELING AND SIMULATION OF THE SAFEGUARDING OF TOKAI (PARA 3 OF REFTEL C). THE JAPANESE INDICATED THEY WOULD CONSIDER THAT PROPOSAL BUT HAVE NOT YET REPLIED. THIS PROPOSAL IS NOT INCLUDED EXPLICITLY IN THE CURRENT US PROPOSALS AND US PARTICIPANTS SHOULD NOT

PARTICIPANTS CAN INDICATE THAT IN THE US VIEW THIS EARLIER PROPOSAL IS NOW ADEQUATELY COVERED BY PARAGRAPHS 4A, 4F AND 4I OF THE CURRENT PROPOSALS.

12. WITH RESPECT TO THE GAMMA ASSAY OF SPENT FUEL, THE US PROPOSAL IN PARA 4A OF REFTEL B WILL REQUIRE EITHER (1) TRANSFER BY THE JAPANESE OF THEIR GAMMA EQUIPMENT FROM JPDR TO TOKAI IN ORDER FOR MEASUREMENTS TO BE MADE ON THE OTHER SPENT FUELS TO BE REPROCESSED OR (2) INSTALLATION OF A GAMMA ASSAY SYSTEM AT TOKAI UNDER THIS PROGRAM FOR MEASUREMENTS ON ALL SPENT FUEL RECEIVED.

13. THE US PROPOSALS IN PARAGRAPHS 4J AND 4K OF REFTEL B DO NOT NECESSARILY INVOLVE ADVANCED INSTRUMENTATION INSTALLED AT TOKAI. THEY DO, HOWEVER, INVOLVE THE APPLICATION OF ADVANCED SAFEGUARDS TECHNIQUES AT TOKAI AND SOME SPECIFIC ANALYTIC PROCEDURES AND SAMPLE PREPARATION CAPABILITIES IN THE LABORATORY.

14. US DELEGATION IS NOT TO DISCUSS THE ADEQUACY OF THE IAEA SAFEGUARDS SYSTEM AS APPLIED TO TOKAI OR REPROCESSING PLANTS IN GENERAL OR TO IMPLY THAT ACCEPTANCE OF PROGRAM BY GOJ HAS ANY IMPLICATION FOR FUTURE USG DECISIONS RE THE "SAFEGUARDABILITY" OF TOKAI. ALSO, THE US PROPOSALS IN-

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INVOLVING PLUTONIUM PRODUCT DO NOT IMPLY ANY ACCEPTANCE BY USG OF THE PRODUCTION OF PURE PLUTONIUM SUBSEQUENT TO THE INITIAL PERIOD COVERED BY THE USG/GOJ AGREEMENT.

15. AMEMBASSY TOKYO SCICOUNS, JUSTIN BLOOM, IS TO HEAD THE US DELEGATION IN ACCORDANCE WITH THE GUIDANCE PROVIDED

HEREIN.

16. FOLLOWING IS CONFIRMATION OF NAMES OF US ATTENDEES AND
ARRIVAL TIMES, FLIGHT NUMBERS AND DEPARTURE TIMES TO ENABLE
EMBASSY TO MAKE NECESSARY HOTEL RESERVATIONS AND TO PROCURE
TRAIN TICKETS PER PARA 6 REFTEL A:

FRANK HOUCK (ACDA)
ARRIVE TOKYO 2/25 (NW-3) 4:00 PM
LEAVE TOKYO 3/8 (PA-12) 7:15 PM

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THOMAS SELLERS (SANDIA)
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PAGE 01 STATE 042419
ORIGIN OES-07

INFO OCT-01 EA-10 ISO-00 /018 R

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DRAFTED BY: OES/NET/VADLER

APPROVED BY: OES/NET/VADLER

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FM SECSTATE WASHDC

TO AMEMBASSY TOKYO IMMEDIATE

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C O N F I D E N T I A L STATE 042419

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E.O. 11652: GDS

TAGS: PARM, TECH, JA, IAEA

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CORRESPOND TO THESE FIVE PROJECTS. IN PARAGRAPH III.B OF THE 12 SEPTEMBER JOINT COMMUNIQUE THE GOJ AGREED TO IMPROVE SAFEGUARDS AT TOKAI BY COOPERATING WITH THE IAEA IN THE TESTING OF ADVANCED SAFEGUARDS INSTRUMENTATION AND IN THE USE OF SUCH INSTRUMENTATION DURING THE INITIAL TWO-YEAR PERIOD. WHILE THE ABOVE MENTIONED IAEA/JAPAN PROJECTS INCLUDE INSTRUMENTATION USEFUL TO IAEA SAFEGUARDS AT TOKAI, THERE ARE A NUMBER OF IMPORTANT ASPECTS OF SUCH SAFEGUARDS WHICH NEED ADVANCED INSTRUMENTATION AND WHICH ARE NOT COVERED BY FIVE PROJECTS MENTIONED ABOVE.

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TO CARRYING OUT THOSE ACTIVITIES SPECIFIED IN PARA 4 OF REFTEL B AND TO BEGINNING THIS WORK IMMEDIATELY. THE NECESSARY US FUNDS ARE COVERED BY THE FY-1978 AID APPROPRIATION ALREADY PASSED BY CONGRESS. IN GENERAL TERMS THE US WILL BEAR THE COSTS OF ALL US PERSONNEL PARTICIPATING IN THE TESTING PROGRAM, INCLUDING THEIR TRAVEL. THE US WILL PAY ALSO FOR THOSE ITEMS OF EQUIPMENT, SUCH AS THE K-EDGE DENSITOMETER, WHICH ARE NOT COMMERCIALY AVAILABLE AND ARE TO BE MADE BY US NATIONAL LABORATORIES. IN ADDITION THE US, THROUGH ISPO, WILL ASSIST THE IAEA RELATIVE TO EFFECTIVE PARTICIPATION OF THE IAEA IN THIS PROGRAM.

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10. AS A TACTICAL APPROACH THE US PARTICIPANTS SHOULD SEEK TO GET AGREEMENT ON THE SUBSTANCE OF THE US PROPOSALS BEFORE DISCUSSING COSTS. AS INDICATED IN PARAGRAPH 6 ABOVE, KURIHARA IS LIKELY TO NEED HIGHER LEVEL APPROVAL BEFORE HE CAN ACCEPT THESE COSTS. IF THE JAPANESE ABSOLUTELY REFUSE TO COVER THE COSTS OF THE COMMERCIALY AVAILABLE EQUIPMENT OR THE TRANSPORTATION COSTS, THE US PARTICIPANTS ARE AUTHORIZED TO COMMIT THE US TO COVERING THESE COSTS. US PARTICIPANTS WILL HAVE AVAILABLE TO THEM FROM DOE THE LATEST COST ESTIMATES FOR EQUIPMENT, TRANS-
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PORTATION, AND INSTALLATION.

11. IN THE 12 SEPTEMBER DISCUSSIONS THE US ALSO PROPOSED A PROJECT FOR COMPUTER MODELING AND SIMULATION OF THE SAFE-GUARDING OF TOKAI (PARA 3 OF REFTEL C). THE JAPANESE INDICATED THEY WOULD CONSIDER THAT PROPOSAL BUT HAVE NOT YET REPLIED. THIS PROPOSAL IS NOT INCLUDED EXPLICITLY IN THE CURRENT US PROPOSALS AND US PARTICIPANTS SHOULD NOT

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15. AMEMBASSY TOKYO SCICOUNS, JUSTIN BLOOM, IS TO HEAD THE US DELEGATION IN ACCORDANCE WITH THE GUIDANCE PROVIDED HEREIN.

16. FOLLOWING IS CONFIRMATION OF NAMES OF US ATTENDEES AND ARRIVAL TIMES, FLIGHT NUMBERS AND DEPARTURE TIMES TO ENABLE EMBASSY TO MAKE NECESSARY HOTEL RESERVATIONS AND TO PROCURE TRAIN TICKETS PER PARA 6 REFTEL A:

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*** Current Handling Restrictions *** n/a
*** Current Classification *** CONFIDENTIAL

Message Attributes

Automatic Decaptioning: X
Capture Date: 01 jan 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: NUCLEAR SAFEGUARDS, PLANNING MEETINGS
Control Number: n/a
Copy: SINGLE
Draft Date: 17 feb 1978
Decaption Date: 01 jan 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 20 Mar 2014
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1978STATE042419
Document Source: CORE
Document Unique ID: 00
Drafter: F.HOUCK/OES/NET/EST:V.ADLER:BJE
Enclosure: n/a
Executive Order: GS
Errors: n/a
Expiration:
Film Number: D780074-0086
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From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1978/newtext/t197802112/aaaafkcn.tel
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Litigation Codes:
Litigation History:
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Message ID: e7559cce-c288-dd11-92da-001cc4696bcc
Office: ORIGIN ACDA
Original Classification: CONFIDENTIAL
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 10
Previous Channel Indicators: n/a
Previous Classification: CONFIDENTIAL
Previous Handling Restrictions: n/a
Reference: 78 TOKYO 2176, 78 STATE 4667, 77 TOKYO 14022
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 12 may 2005
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 3459695
Secure: OPEN
Status: <DBA CORRECTED> gwr 970820
Subject: TOKAI TESTING OF ADVANCED SAFEGUARDS INSTRUMENTATION
TAGS: PARM, TECH, JA, IAEA, TECH
To: USIAEA VIENNA
Type: TE
vdkgvwkey: odb://SAS/SAS.dbo.SAS_Docs/e7559cce-c288-dd11-92da-001cc4696bcc
Review Markings:
Sheryl P. Walter
Declassified/Released
US Department of State
EO Systematic Review
20 Mar 2014
Markings: Sheryl P. Walter Declassified/Released US Department of State EO Systematic Review 20 Mar 2014